

Figure 1

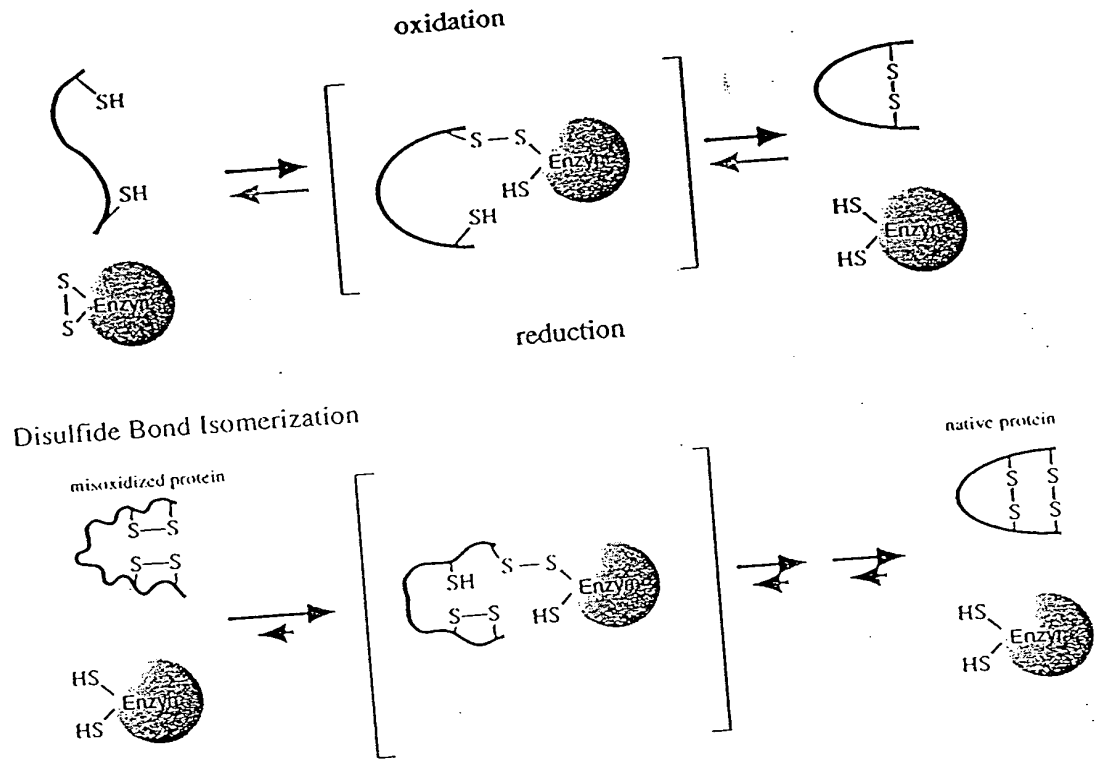


Figure 2

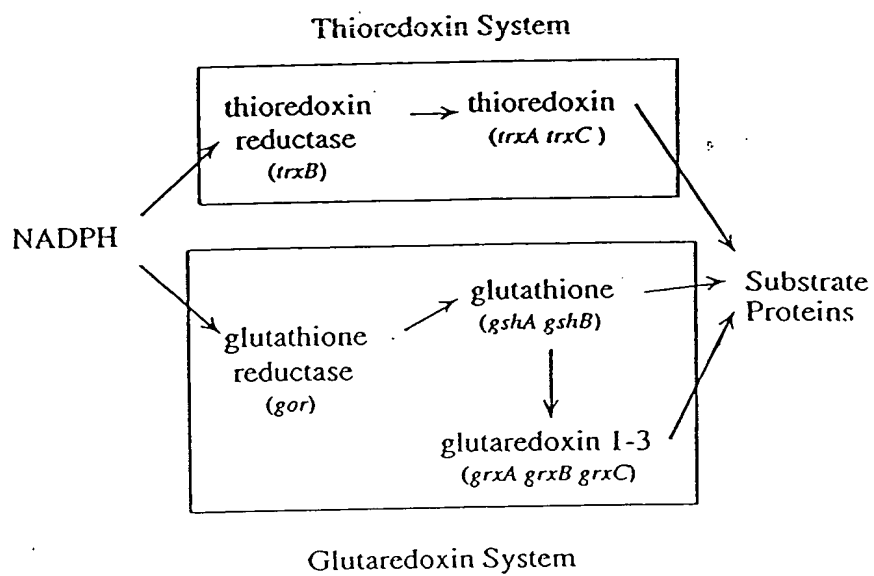


Figure 4

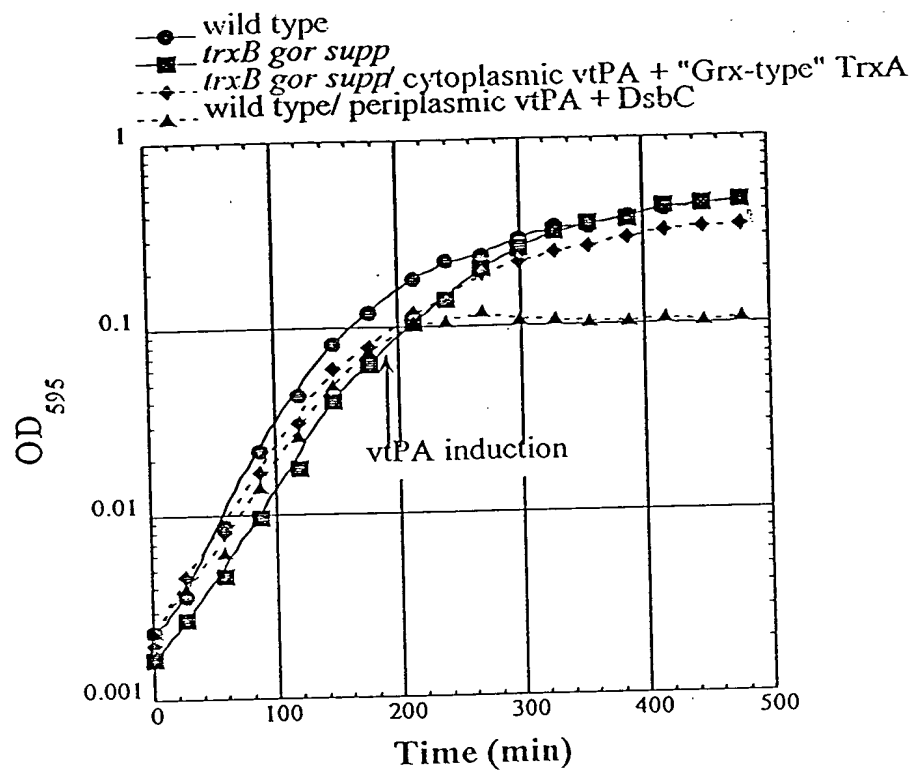


Figure 5



Figure 6

Relative Activity

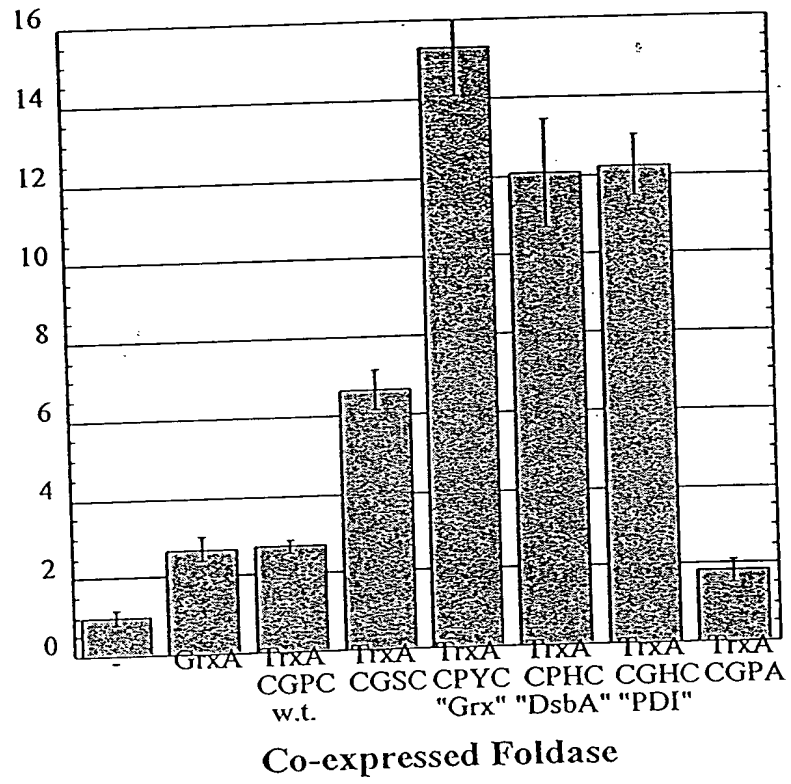
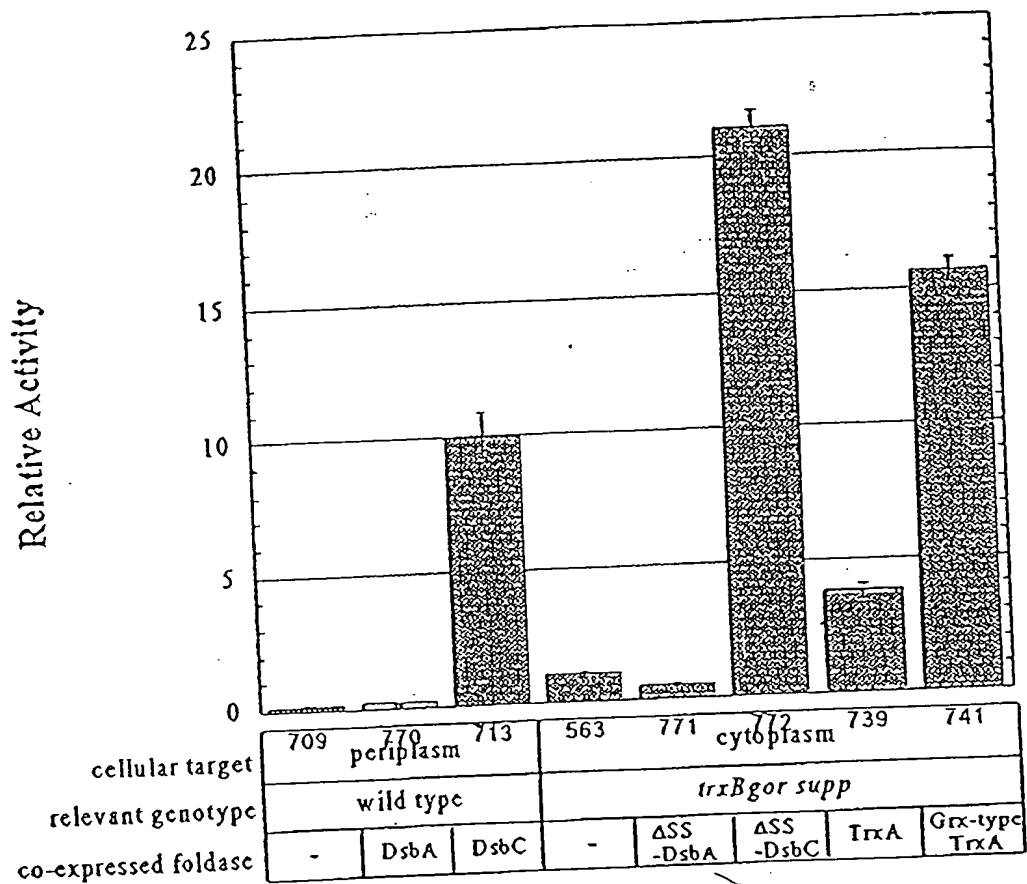


Figure 7



①

AlpC

33

47

Ahp^{*}

33

48

3)

<i>E. coli</i>	32	RWSVFF	FYPADF	TFVCPTEL	GDVADHYEELQK
<i>S. typhi</i>	32	RWSVFF	FYPADF	TFVCPTEL	GDVADHYEELQK
<i>P. putida</i>	32	KWSVVF	FYPADF	TFVCPTEL	GDLDNVAEFQK
<i>S. mutans</i>	32	KWAVFC	FYPADFS	FVCPTEL	GDLEQYATLQS
<i>B. subtilis</i>	32	QWSVFC	FYPADFS	FVCPTELED	LQEQYAALKE
<i>S. aureus</i>	34	SWSVVC	FYPADFS	FVCPTELED	LQNQYEELQK
<i>T. pallidum</i>	33	SWAVFM	EYPADF	TFVCPTEL	ADLARVYPSFVE
<i>A. aeolicus</i>	50	KWVILF	FYPADY	TFVCPTEL	ADLAEKYDELKE
HUMAN TPA	36	KYVVL	FYPLDF	TFVCPTEI	IAFTTVKRTSAK

Depending on the oxidative stress-inducing signal two different forms of AhpC can be found

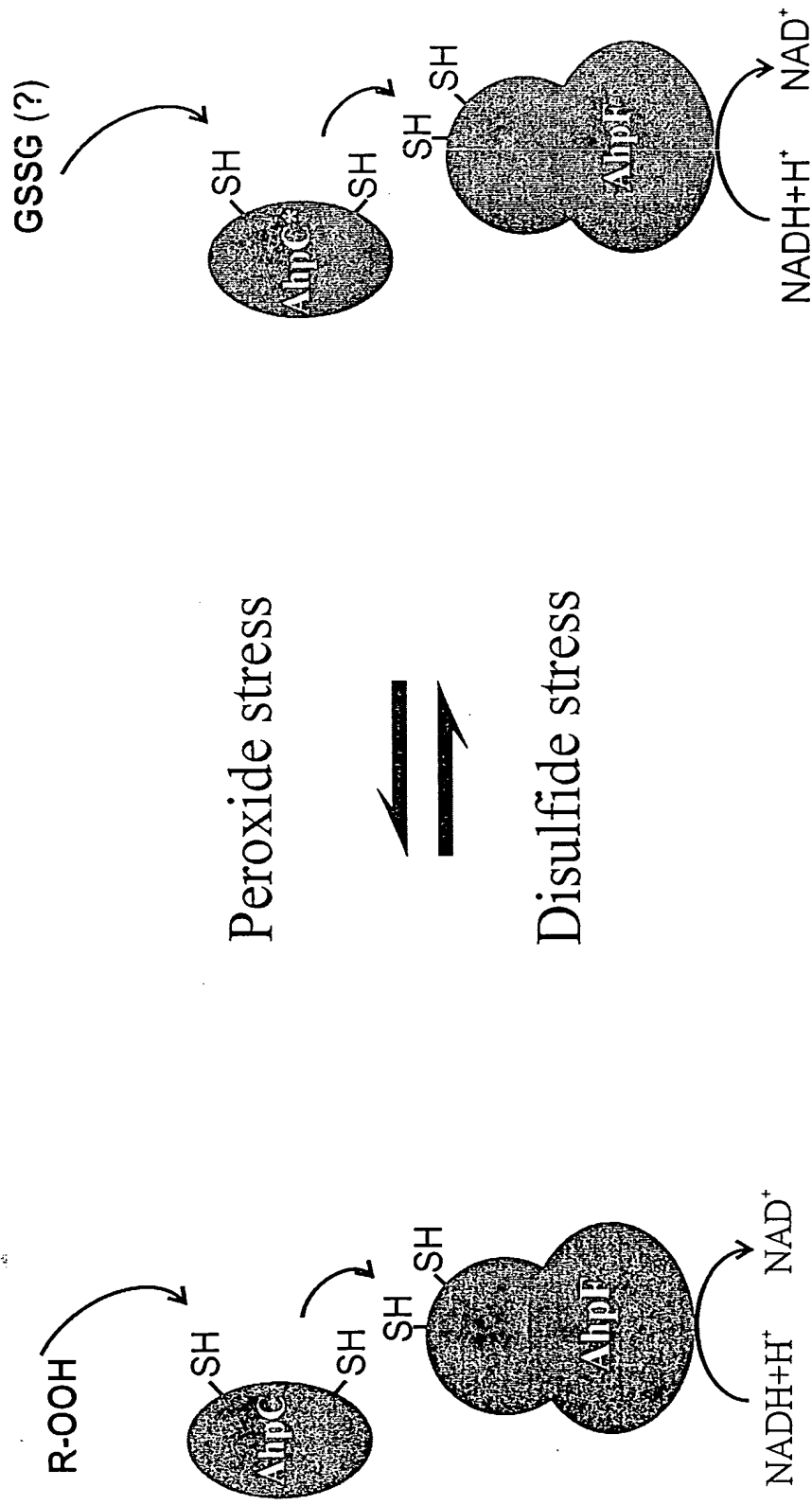


Figure 9

Cytochrome c
Biogenesis

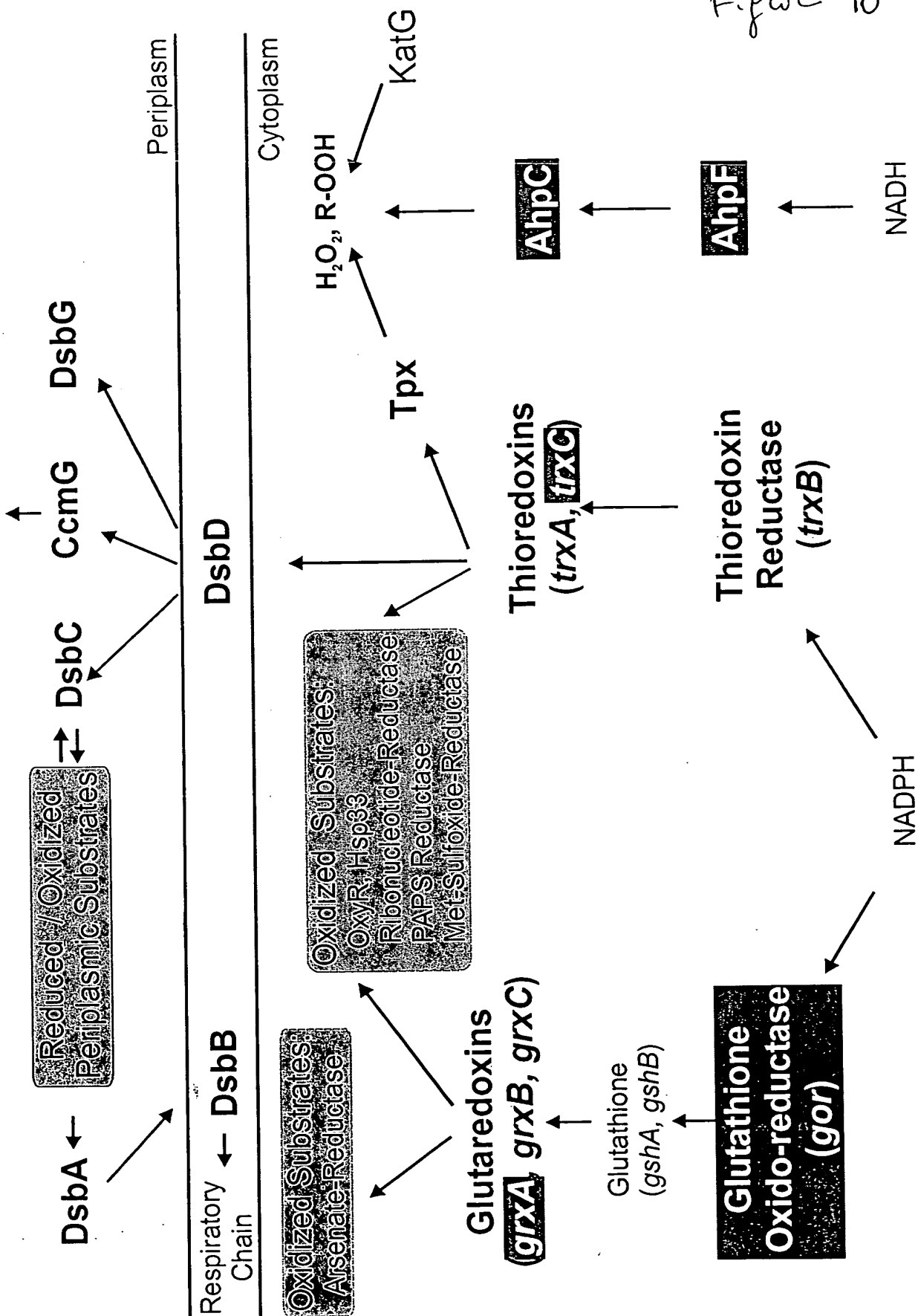


Figure 10

Thiol-Redox pathways in a *trxB gor* double mutant

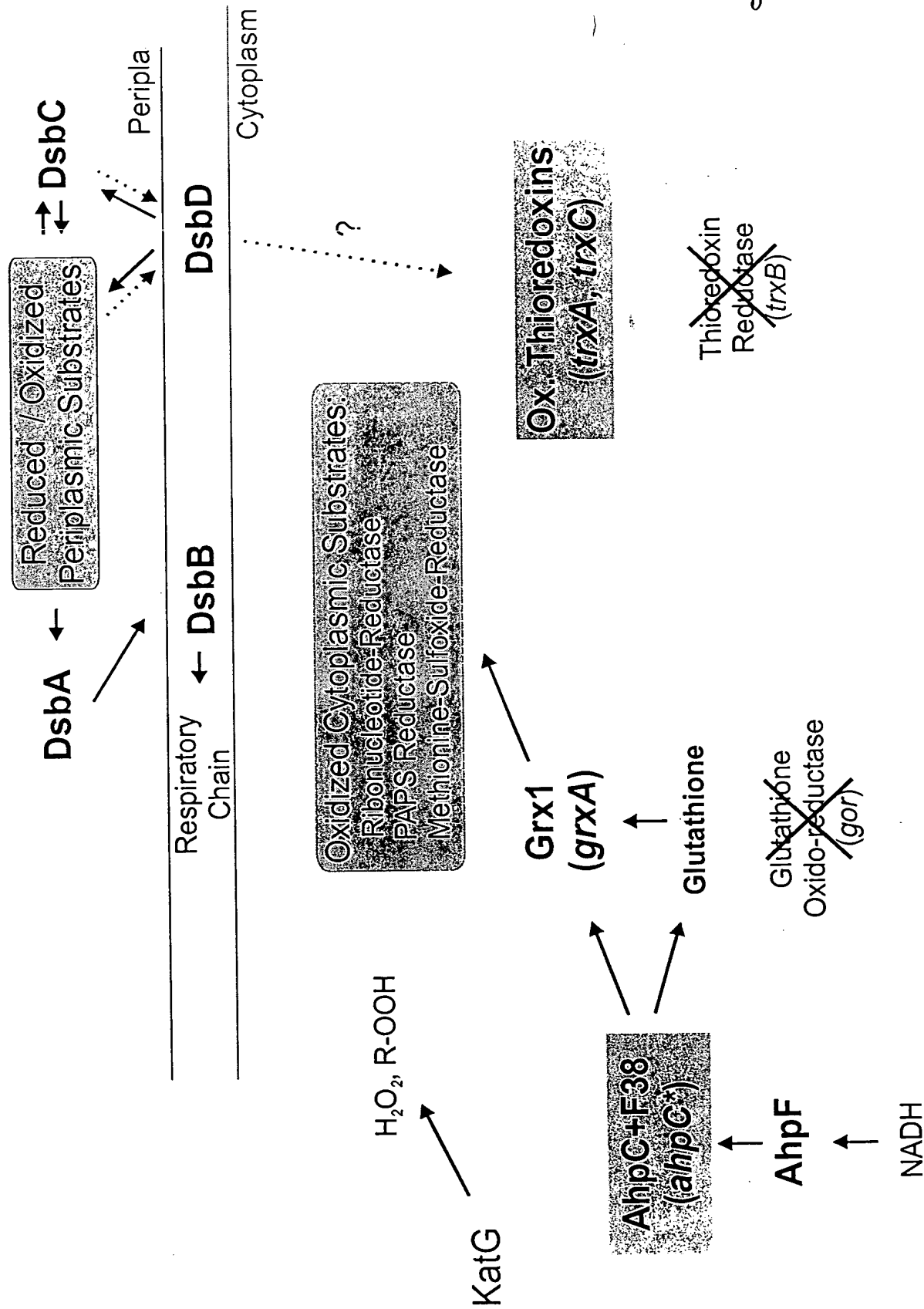


Figure 11